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(54) Title: **RADIANT ENERGY SOURCE SYSTEMS, DEVICES AND METHODS**

(57) Abstract: This document discusses, among other things, systems, devices, and methods that increase radiant energy output, such as by using the waste airflow of combusted gas and/or ambient airflow resulting from convection, or by reducing or avoiding cooling effects of such airflows. In one example, the collected energy can be used to drive other secondary radiant sources or to preheat combustion air or ambient air. In another example, segmented secondary radiant sources are thermally isolated from each other to operate as a cross flow exchanger that exchanges thermal energy from a heated gas to a heated surface that provides radiant energy output. In a further example, a re-radiant membrane can separate the radiant source from the environment and/or reconfigure the effective shape of the primary radiant energy source.

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

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